



Chron No.: CTO-0142/0371

MEETING MINUTES

Meeting Subject: Site 24 Pilot Test Update	Meeting Date: April 8, 1998 Meeting Time: 10:00 AM Meeting Place: Conference Call Meeting Notes Prepared By: Patrick Brooks			
Attendees: (*Part Time) <table><tr><td><u>Navy</u> Bernie Lindsey, RPM</td><td><u>Bechtel</u> Pat Brooks, CTOL Dan Eldredge</td><td><u>Other</u> Tayseer Mahmoud, DTSC Patricia Hannon, RWQCB Bill Sedlak, OHM</td></tr></table>		<u>Navy</u> Bernie Lindsey, RPM	<u>Bechtel</u> Pat Brooks, CTOL Dan Eldredge	<u>Other</u> Tayseer Mahmoud, DTSC Patricia Hannon, RWQCB Bill Sedlak, OHM
<u>Navy</u> Bernie Lindsey, RPM	<u>Bechtel</u> Pat Brooks, CTOL Dan Eldredge	<u>Other</u> Tayseer Mahmoud, DTSC Patricia Hannon, RWQCB Bill Sedlak, OHM		
Additional Distribution: Please See the Transmittal Sheet				

Pat Brooks reviewed the field work that had been accomplished since the last Site 24 Update meeting. Herb Levine and Glenn Kistner of the EPA are not in attendance at today's meeting. They are attending to other responsibilities. Attached to the agenda were time-drawdown curves for 24EX5, 24IN2OB1 and 24IN1, and an updated HydroPunch results table. Pat noted that increased build up at injection well 24IN1 was being monitored. The crew had checked background water levels and the injection rate. Neither accounted for the increase in injection well buildup. A graph of background water levels is also included. Pat suggested that the well may be losing some efficiency due to plugging of the well screen or formation. A video could be performed during the rebound test scheduled for May 15 through June 15. The well could be developed if necessary and retested to check the well's efficiency.

The vacuum-enhanced test at 24EX5 has been operating fine for about 1 week. During the constant-rate test, groundwater samples from the extracted groundwater ranged between 700 and 900 µg/L. Buildup in injection well 24IN2OB1 is constant at about 20 feet.

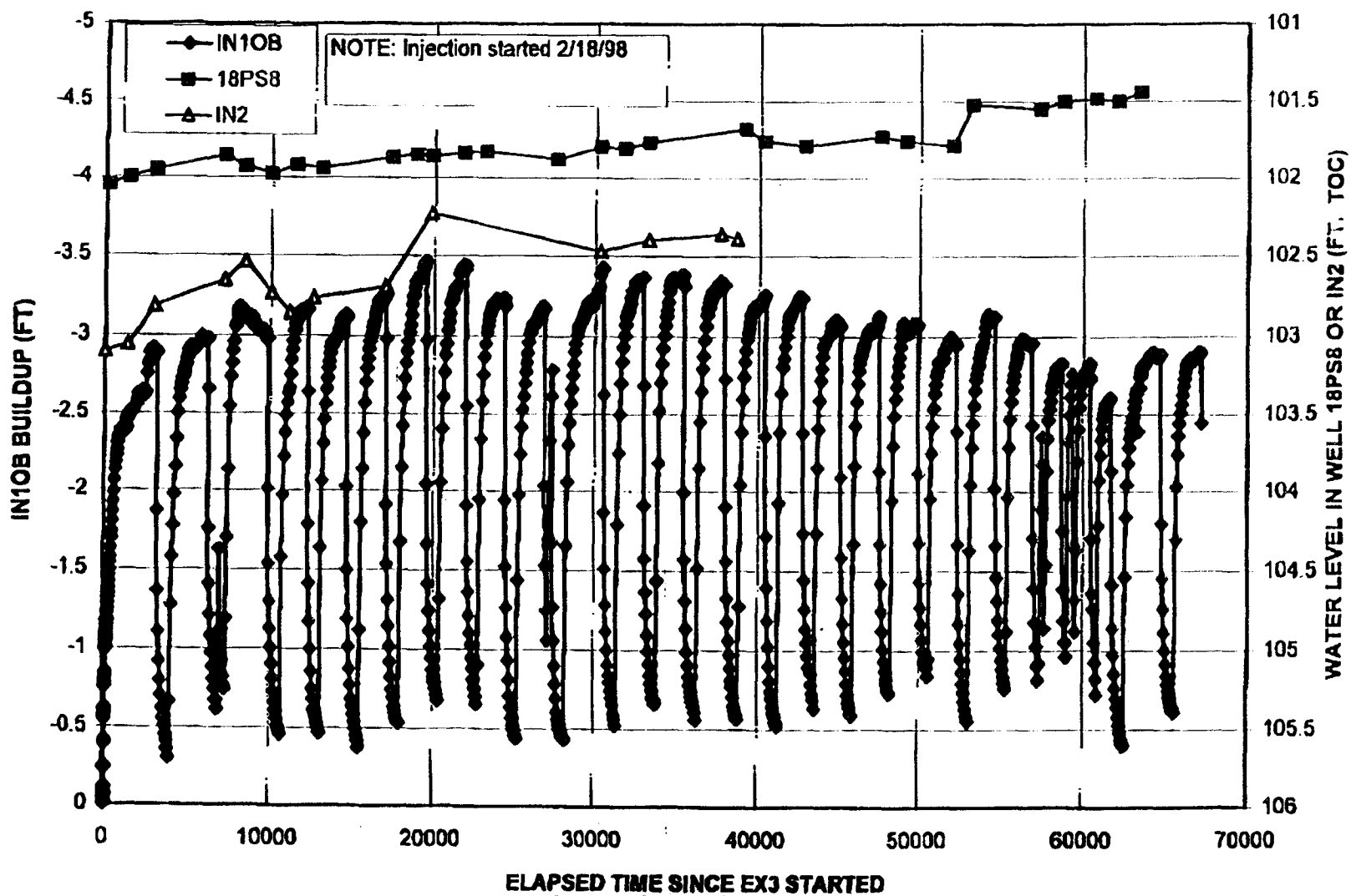
CPT/HydroPunch work is proceeding. As agreed upon at the 4/1/98 Site 24 Update meeting, the proposed CPT/HydroPunch work at abandoned well No. 4 had been moved to Location 13. This was done because the video of AW-4 showed that the well was cased through from the surface to 211 feet below ground surface (bgs). Pat asked if everyone received the fax copy of the CPT log for Location 13. Everyone had received it. Proposed HydroPunch sample locations were 131, 161, and 181 feet bgs. The CPT rig met with refusal at 181 feet; sampling will be difficult in this area. The shallow sample was collected on Tuesday; the rig is attempting to collect the deeper samples today. Sampling is complete at Locations 9 and 10, although sample results are not yet available.

The Plan of Action for Site 24 field work for the next two weeks included the following:

1. Complete CPT/HydroPunch sampling at the leading edge of the TCE hot spot.
2. Complete vacuum-enhanced test at 24EX5 and 24IN2OB1 (4/21/98).
3. Continue extraction at 24EX3 and injection at 24IN1.
4. Complete destruction of observation well 24EX1OB.
5. Prepare for step-drawdown test at 24EX6.

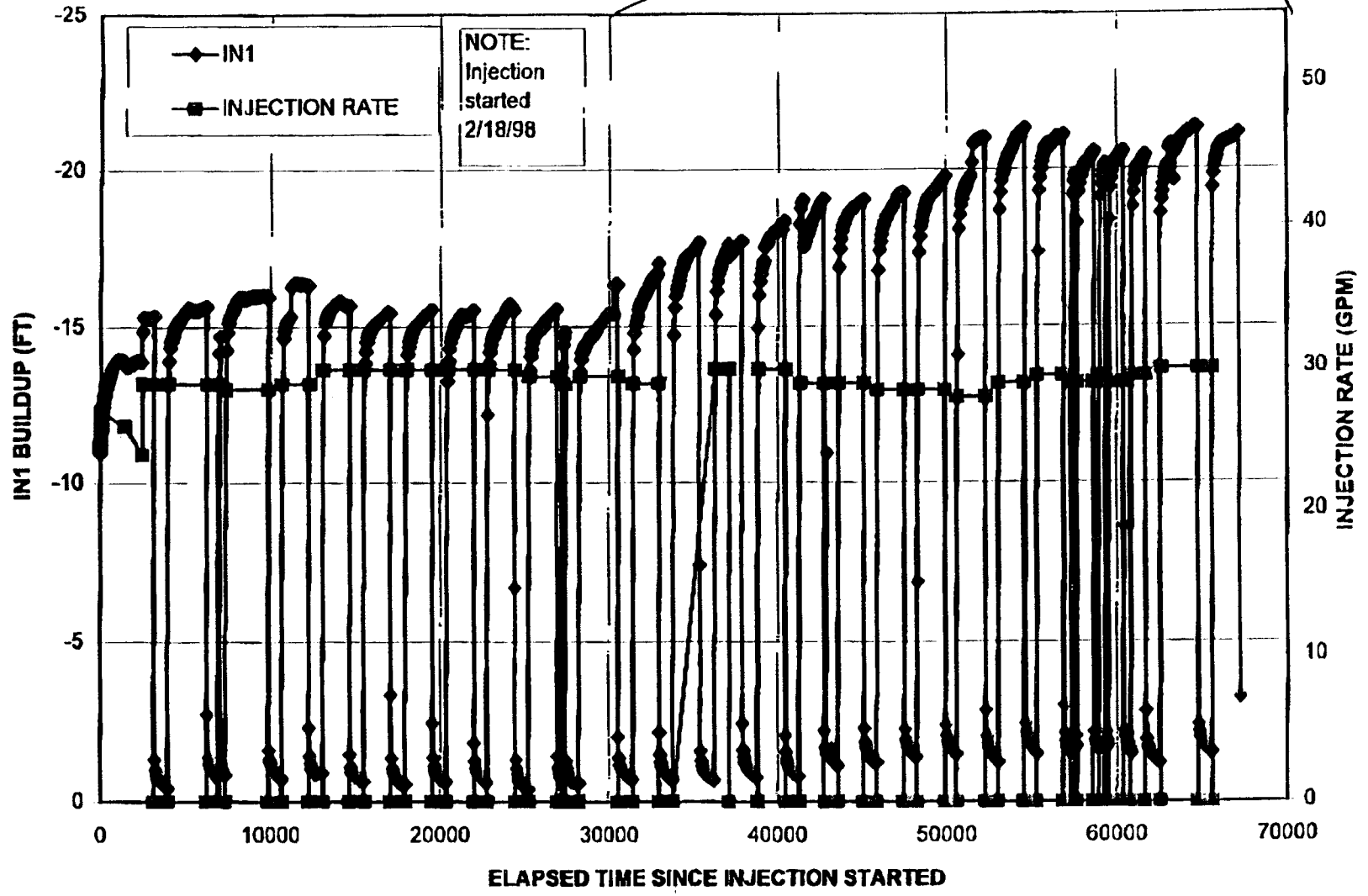
Plan of Action - April 8 to April 22, 1998
Groundwater Remediation Pilot Testing - Site 24
MCAS El Toro

1. Complete CPT/HydroPunch sampling at the leading edge of the TCE hot spot.
2. Complete vacuum-enhanced test at 24EX5 and 24IN2OB1 (4/20/98).
3. Continue extraction at 24EX3 and injection at 24IN1.
4. Complete destruction of well 24EX1OB.
5. Prepare for step-drawdown tests at 24EX6 and 24EX1.

IN10B OBSERVATION WELL BUILDUP AND BACKGROUND WATER LEVELS

IN1 BUILDUP AND INJECTION RATE

Period of increased buildup

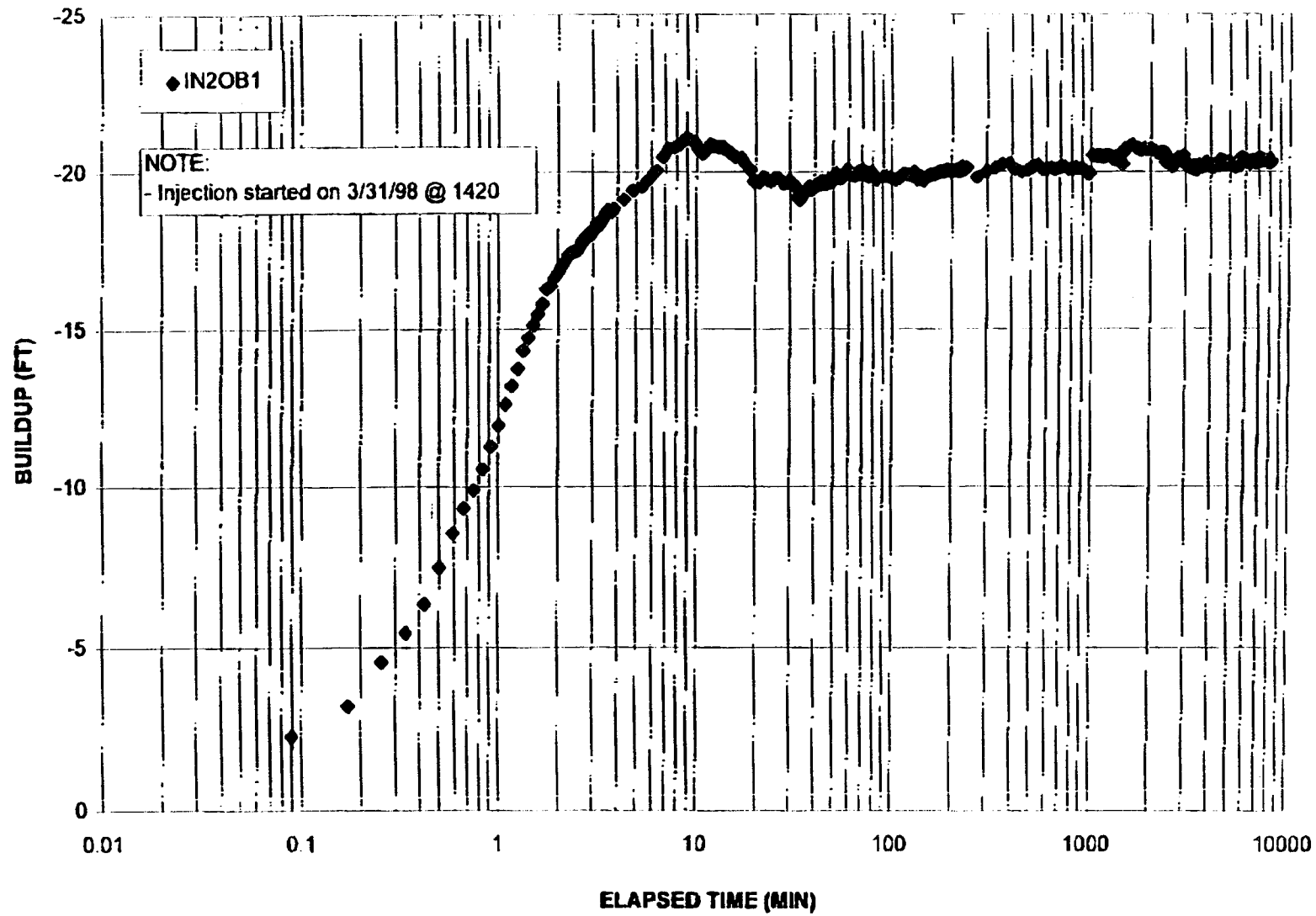


**TCE CONCENTRATION IN HYDROPUNCH SAMPLES
LEADING EDGE OF TCE HOT SPOT
SITE 24 - MCAS EL TORO**

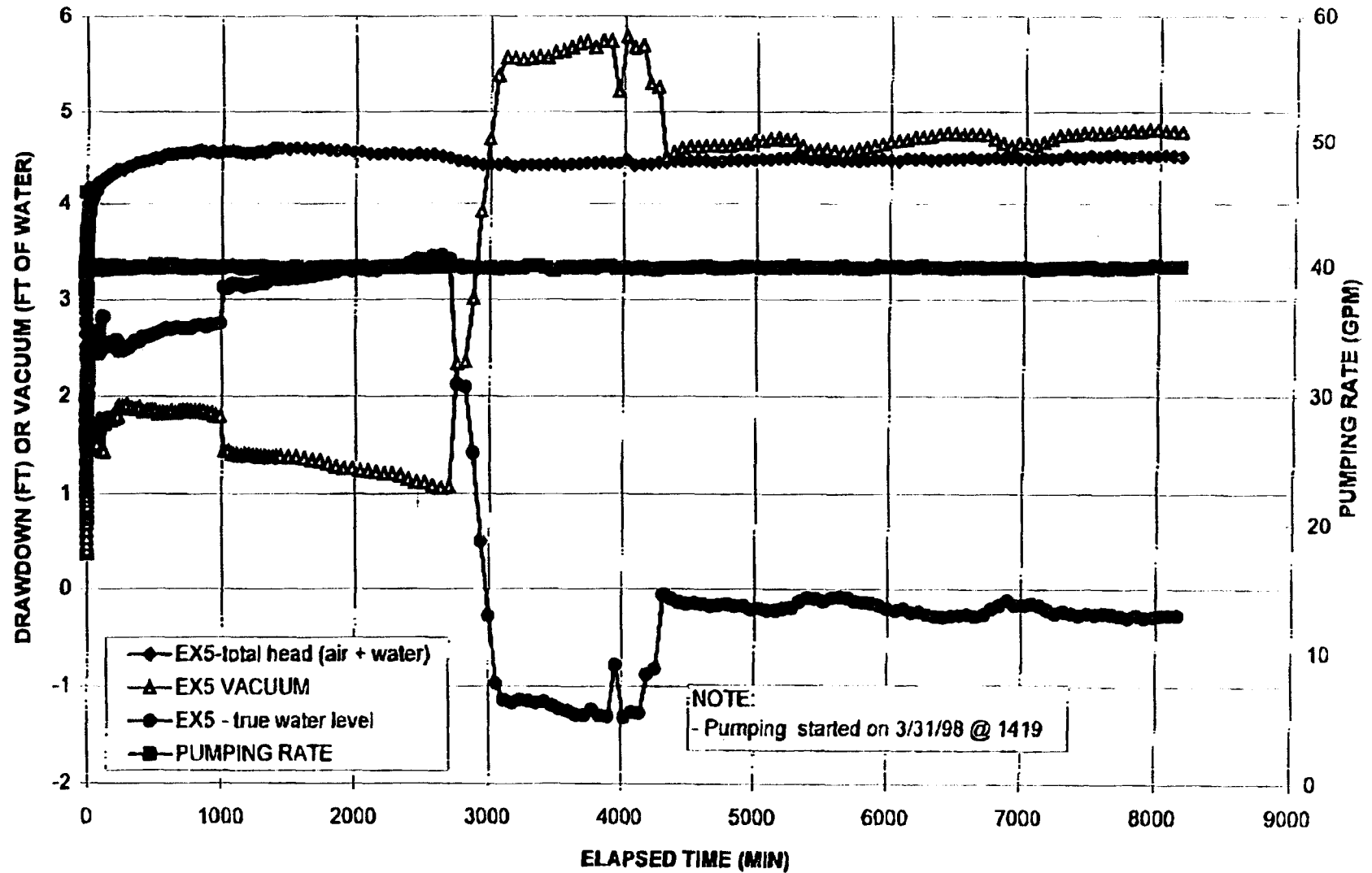
Location No.	Date	Depth (feet)	TCE Concentration (µg/L)
1	1/20/98	130	400
	1/20/98	158	420
	1/23/98	189	21.4
	1/23/98	210	5.99
2	1/29/98	137	ND
	1/29/98	149	12.7
	1/29/98	177	107
	3/6/98	211	2.8
3	1/26/98	123	4.88
	1/26/98	141	6.22
	1/26/98	157	29.8
	1/27/98	181	1.19
4	2/2/98	124	2.33
	2/3/98	140	10.5
	2/4/98	159	61
	2/19/98	173	14
	2/20/98	200	1.7
5	2/26/98	132	80
	2/26/98	145	660
	2/27/98	162	480
	2/27/98	180	560
6	2/23/98	127	0.09J
	2/23/98	146	0.3J
	2/24/98	163	0.9
	2/24/98	171	2
	2/25/98	180	9.5
7	3/5/98	136.5	43E
	3/4/98	152	8.2
	3/5/98	180.5	6.1, 2.8
	3/6/98	200	refusal
8	2/13/98	130	46
	2/13/98	155	13
	2/17/98	166	150E, 170E
	2/19/98	181	220E

Location No.	Date	Depth (feet)	TCE Concentration (µg/L)
9	4/1/98	140	Not Available
	4/1/98	155	Not Available
	4/1/98	176	Not Available
10	4/3/98	140	Not Available
	4/6/98	165	Not Available
	4/6/98	180	Not Available
	4/6/98	193	Not Available
11	3/19/98	130	5.2, 5.3
	3/20/98	145	4.3
		172	Refusal
12	3/25/98	130	4.2
	3/25/98	145	24
	3/26/98	167	14
13			

IN2OB1 CONSTANT RATE AQUIFER BUILDUP TEST



EX5 SVE-ENHANCED CONSTANT RATE TEST





BECHTEL NATIONAL INC.

CLEAN II TRANSMITTAL/DELIVERABLE RECEIPT

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Naval Facilities Engineering Command
Southwest Division
Mr. Richard Selby, Code 57CS1.RS
Building 127, Room 112
1220 Pacific Highway
San Diego, CA 92132-5190

DATE: April 30, 1998

CTO #: 142

LOCATION: MCAS El Toro

FROM:

D. J. Tedaldi
D. J. Tedaldi, Ph.D., P.E., Project Manager

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